

IN THE
UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Kuchinsky, Vailaya, Moh, Bluvass

Serial No.:

Examiner:

Filing Date:

Group Art Unit:

Title: System, Tools and Methods for Constructing Interactive Biological Diagrams

COMMISSIONER FOR PATENTS
PO Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

This Information Disclosure Statement is submitted:

- ☒ under 37 CFR 1.97(b), or
(Within three months of filing national application; or date of entry of national application; or before mailing date of first office action on the merits; whichever occurs last)
- ☐ under 37 CFR 1.97(c) together with either a:
☐ Statement under 37 CFR 1.97(e), or
☐ a \$180.00 Processing fee under 37 CFR 1.17(p), or
(After the CFR 1.97 (b) time period, but before final action or notice of allowance, whichever occurs first)
- ☐ under 37 CFR 1.97 (d) together with a:
☐ Statement under 37 CFR 1.97(e), and
☐ a \$180.00 processing fee under 37 CFR 1.17(p).
(Filed after final action or notice of allowance, whichever occurs first, but before payment of the issue fee)

Please charge to Deposit Account **50-1078** the sum of \$0.00. At any time during the pendency of this application, please charge any fees required or credit any overpayment to Deposit Account **50-1078** pursuant to 37 CFR 1.25.

☒ Applicant(s) submit herewith Form PTO 1449. References identified with an asterisk (*) were disclosed in Patent Application No. _____ filed _____, now U. S. Patent No. _____, and, as such, copies thereof are not included pursuant to the provisions of 37 CFR 1.98(d).

☐ A concise explanation of the relevance of foreign language patents, foreign language publications and other foreign language information listed on PTO Form 1449, as presently understood by the individuals(s) designated in 37 CFR 1.56 (c) most knowledgeable about the content is given on the attached sheet, or where a foreign language patent is cited in a search report or other action by a foreign patent office in a counterpart foreign application, an English language version of the search report or action which indicates the degree of relevance found by the foreign office is listed on form PTO 1449 and is enclosed herewith.

"Express Mail" label no. **ER 277515334 US**

Date of Deposit **02/23/2004**

I hereby certify that this is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to: Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450.

By _____

Typed Name: **Alan W. Cannon**

Respectfully submitted,

Kuchinsky, Vailaya, Moh, Bluvass

By _____

Alan W. Cannon

Attorney/Agent for Applicant(s)
Reg. No. **34,977**

Date: **02/23/2004**

FORM PTO-1449 LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	ATTY. DOCKET NO.	SERIAL NO.
	10030635-1	
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	FILING DATE	GROUP

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	*	DOCUMENT NUMBER	DATE	NAME

FOREIGN PATENT DOCUMENTS

	*	DOCUMENT NUMBER	DATE	NAME	TRANSLATION	
					YES	NO

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

	Fukuda, Ken-Ichiro et al. Knowledge Representation of Signal Transduction Pathways., Vol.17, no.9, 2001, pp.829-837.
	Friedman, Nir et al. Using Bayesian Networks to Analyze Expression Data., 2000.
	Milo, R. et al. Network Motifs: Simple Building Blocks of complex Networks., Science, Vol.298, October 25, 2002.

EXAMINER	DATE CONSIDERED
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* Copies of these references are not enclosed pursuant to 37 CFR 1.98(d). (See accompanying IDS)

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OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

	Lee,Tong lhn et al. Transcriptional Regulatory Networks in Saccharomyces Cerevisiae., Science, Vol. 298, October 25, 2002.
	Shen-Orr,Shai S. et al. Networks Motifs in the Transcriptional Regulation Network of Escherichia Coli., Nature Genetics, Vol. 31, May, 2002.
	NetBuilder. http://strc.herts.ac.uk/bio/maria/NetBuilder , downloaded February 23, 2004.

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					YES	NO

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	JDesigner-A Biochemical Network Layout Tool. http://www.cds.caltech.edu/hsauro/JDesigner.htm , downloaded February 23, 2004.
	PC Magazine Editors' Choice: Visio 2003. http://www.microsoft.com/office/visio , downloaded February 23, 2004.
	Cadence Encounter RTL Compiler Now Supports VHDLGlobal Synthesis for Highest Quality of Silicon. http://www.cadence.com/datasheets/virtuoso_layout_editor.html , downloaded February 23, 2004.

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					YES	NO

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

		The Signaling Pathway Database (SPAD) is an integrated database for genetic information and signal transduction systems. http://www.grt.kyushu-u.ac.jp/eny-doc/spad.html , downloaded February 23, 2004.

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